

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all earlier versions:

Claim 1 (original). A nozzle for a hose or fixed pipework installation, the nozzle comprising:

a body;

a channel extending through the body of the nozzle; and

a fluid deflector arranged at or near the downstream end of the channel, and wherein the fluid deflector determines the direction of flow of the fluid as it leaves the nozzle.

Claim 2 (original). A nozzle as claimed in Claim 1 wherein the fluid deflector is located in a fluid flow path extending through the nozzle along the channel.

Claim 3 (currently amended). A nozzle as claimed in Claim 1 ~~or Claim 2~~ wherein the fluid deflector and the body of the nozzle together define a width of the channel at or near said downstream end.

Claim 4 (original). A nozzle as claimed in Claim 3 wherein the fluid deflector includes a deflecting surface positioned relative to the end of the channel to define the width of the channel at or near the downstream end of the channel.

Claim 5 (original). A nozzle as claimed in Claim 4 wherein at least part of the channel is defined between the deflecting surface and an outlet surface of the body.

Claim 6 (original). A nozzle as claimed in Claim 5 wherein the deflecting surface and the body outlet surface are substantially parallel.

Claim 7 (original). A nozzle as claimed in Claim 4 wherein the deflector surface is disposed at an obtuse angle relative to a main axis of the body.

Claim 8 (original). A nozzle as claimed in Claim 3 wherein said channel width is variable by adjusting a position of the fluid deflector relative to the nozzle body.

Claim 9 (original). A nozzle as claimed in Claim 8 wherein the fluid deflector is movably mounted relative to the body, to enable adjustment of a position of the deflector relative to the body, to facilitate adjustment of the channel width.

Claim 10 (currently amended). A nozzle as claimed in Claim 8 ~~or Claim 9~~ wherein the channel is provided with a gap or space suitable for accommodating a spacer to alter the position of the fluid deflector relative to the end of the channel, thereby varying the width of said channel.

Claim 11 (currently amended). A nozzle as claimed in ~~any one of~~ Claims 8 ~~to 10~~ wherein the deflector is threadably coupled to the body, such that rotation of the deflector relative to the body advances and/or retracts the deflector relative to the body, thereby facilitating adjustment of the channel width.

Claim 12 (currently amended). A nozzle as claimed in ~~any one of~~ Claims 8 to 11 wherein the nozzle comprises a mechanism for adjusting the channel width, which is a self-cleaning mechanism.

Claim 13 (original). A nozzle as claimed in Claim 12 wherein the mechanism comprises an actuator and one or more sensors, the actuator moving the deflector in response to a detected increase in fluid flow rate indicative of trapped debris in the nozzle.

Claim 14 (currently amended). A nozzle as claimed in ~~any one of~~ Claims 4 to 13 wherein the fluid deflector comprises the deflecting surface and a central beam, shaft, boss or the like extending from the deflecting surface into the body of the nozzle, the central beam being attachable to the body of the nozzle.

Claim 15 (currently amended). A nozzle as claimed in ~~any preceding~~ Claim 1 wherein the channel extending through the body of the nozzle is an annular channel.

Claim 16 (currently amended). A nozzle as claimed in ~~any preceding~~ Claim 1 wherein the nozzle further comprises a central channel extending through the body of the nozzle.

Claim 17 (original). A nozzle as claimed in Claim 16 wherein the central channel extends through the central beam of the deflector.

Claim 18 (currently amended). A nozzle as claimed in ~~any preceding~~ Claim 1 wherein the nozzle is further provided with sensor means.

Claim 19 (original). A nozzle as claimed in Claim 18 wherein the sensor means is located in the fluid deflector.

Claim 20 (original). A nozzle as claimed in Claim 19 wherein the sensor means are embedded in a front surface of the fluid deflector.

Claim 21 (original). A nozzle as claimed in Claim 18 wherein the sensor means is located in the body of the nozzle.

Claim 22 (currently amended). A nozzle as claimed in ~~any one of~~ Claims 16 ~~to 21~~ wherein the nozzle further comprises filter coupling means for coupling a filter to the upstream end of the central channel.

Claim 23 (currently amended). A nozzle as claimed in ~~any one of~~ Claims 16 ~~to 22~~ wherein the nozzle further comprises nozzle-coupling means for coupling a nozzle to the downstream end of the central channel.

Claim 24 (currently amended). A nozzle as claimed in ~~any preceding~~ Claim 1 wherein the fluid deflector is frusto-conical and is thus provided with a frusto-conical deflecting surface, angled away from the direction of fluid flow.

Claim 25 (original). A nozzle as claimed in Claim 24 wherein the frusto-conical deflecting surface extends beyond the maximum width of the channel to direct the flow of fluid.

Claim 26 (currently amended). A kit of parts for a nozzle according to ~~any one of~~ Claims 1 ~~to 25~~, the kit of parts comprising a body and a fluid deflector.

Claim 27 (original). A kit of parts as claimed in Claim 26 wherein the kit of parts further comprises a coupling means adapted to connect the deflector to the body.

Claim 28 (original). A nozzle comprising:

a body having a fluid outlet;

a fluid flow channel extending through the body, the channel in fluid communication with the body outlet; and

a fluid deflector located adjacent the body outlet and positioned such that fluid flowing along the channel impinges on the deflector and is directed out of the nozzle by the deflector, the direction of flow of the fluid exiting the nozzle thereby determined by the deflector.